Approved for use through 10/31/2002. OMB 0651-0031\*\*
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
To persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/P

INFORMATIONEDIS STATEMENT B

Under the Paperwork Reduction Act of 199

(use as many sheets as necessary) of Sheet

	Complete if Known	7
Application Number	09/841,710	~ M
Filing Date	April 24, 2001 当	9
First Named Inventor	Takeshi Ishizaki, et al.	
Group Art Unit	215T 2(43 G	2 -1
Examiner Name	Unassigned	<u>&amp; &amp;</u>
Attorney Docket Number	36992 00077 (HAL-187)	

			U.S. PATENT DOCUM	MENTS	
Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Documer  Number Kind Code  (if known)	e <sup>2</sup> of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A4		5,768,271	Howard A. Seid, et al.	06-16-1998	
Z <sub>m</sub>		6,073,172	Jean-Marc Frailong, et al.	06-06-2000	
7.4		6,079,020	Quentin C. Liu, et al.	06-20-2000	
420	<u> </u>	6,112,085	William B. Garner, et al.	08-29-2000	
Jan -		6,148,337	Donald G. Estberg, et al.	11-14-2000	
1.00		6,173,399 B1	Sidney A. Gilbrech	01-09-2001	
711		6,175,917 B1	Leslie J. Arrow, et al.	01-16-2001	
- 117 - 127		6,178,505 B1	David S. Schneider, et al.	01-23-2001	
4					
			·		
	<u> </u>				
	ļ				
		<u> </u>			
					<u> </u>

			FOREI	GN PATENT DOCU	JMENTS		
		For	eign Patent Document	Name of Patentee	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Cite Initials* No.1	Office <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Τ <sub>β</sub>	
=1m			EP 1,052,810 A2	James V. Luciani, et al.	11-15-2000		
	<u> </u>						
		<del> </del>	<del> </del>				
<del></del>							ļ
		† · · · · · · · · · · · · · · · · · · ·			1	· '	l

Nam Examiner Considered 04 Signature

EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark hee if English language Translation is attached.

Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE required to respond to a collection of information unless it contains a valid OMB control number Under the Paperwork Reduction Act of 1995, on persons

**INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

Substitute for form 1449A/PTO

(use as many sheets as necessary)

Sheet of

	Complete if Known	
Application Number	09/841,710	۸
Filing Date	April 24, 2001	
First Named Inventor	Takeshi Ishizaki, et al.	3
Group Art Unit	2151-2143	00
Examiner Name	Unassigned	Z.C.
Attorney Docket Number	36992.00077 (HAL-187)	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	·
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
-gm		Web Page: "Virtual Private Networks On Vendor Independent Networks", IBM Technical Disclosure Bulletin, Dated September 1992. Printed: April 20, 2001, Pages 326-329. URL:http://www.delphion.com/tdbs/tdb?ℴ=92A+62488	
AM		SCHNEIDER, J.M., T. PREUB, AND P.S. NIELSEN, "Management of Virtual Private Networks for Integrated Broadband Communication", Conference Proceedings on Communications Architectures, Protocol and Applications, 1993, Pages 224-237.	
	-		
• •	·		
:			

Examiner Date Considered 7 7 6 64	/	
		7/26/04

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid CMB control number.

Substitute for form 1449A/PTO

ATEM & TO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

	Complete if Known	
Application Number	09/841,710	
Filing Date	April 24, 2001	
First Named Inventor	Takeshi Ishizaki, et al.	
Group Art Unit	-2151 2143	
Examiner Name	Unknown	
Attorney Docket Number	36992.00077 (HAL-187)	

				U.S. PATENT DOCUM	MENTS	
	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevan	
xaminer Initials *	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
an		6,205,4	488	Liam M. Casey, et al.	03-20-2001	<b>(</b>
<u>/                                     </u>						2000
						1 Sh 1
····		ļ	<u> </u>			Con
	<del> </del>		<u> </u>			C C
					,	Contract
			<del>                                     </del>			ري,
		1				00
						RECEIVED
		<u> </u>	,			LIEUEIVED
		-				CED 9 7 2004
					· · · · · · · · · · · · · · · · · · ·	SEP 2 7 2001
	:	 	-			Technology Cont.
						Technology Center 210

				FOREIG	N PATENT DOCU	MENTS		
Examiner Cite No.1	For	eign Patent D	ocument	Name of Patentee	Date of Publication of	Pages, Columns, Lines, Where Relevant		
	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Te	
		ļ						
	1				1			

		<u> </u>	
Examiner Signature	Mary	Date Considered	7/26/04

EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark hee if English language Translation is attached.

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute fo	or form 1449A/PT	0				
WEST		DIOC	N OOUDE	Application Number	09/841,710	重新
			LOSURE	Filing Date	April 24, 2001	3 7 0
STAT	EMENT B	Y AP	PLICANT	First Named Inventor	Takeshi Ishizaki, et al.	100
				Group Art Unit	218T 2143	2 / 2
(4	use as many sh	eets as n	ecessary)	Examiner Name	Unknown	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sheet	2	of	2	Attorney Docket Number	36992.00077 (HAL-187)	
						22
		OTHER	PRIOR ART NO	ON PATENT LITERATURE	DOCUMENTS	8

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
=7M		E. ROSEN, et al., "BGP/MPLS VPNs", Informational Internet Memo dated March 1999, RFC 2547, 22 pages.  URL: http://www.ietf.org/rfc/rfc2547.bxt?number=2547	
- 1			
		RECEIVED	
		SEP 2 7 2001	
		Technology Center 21	00
	-		

Examiner Signature Man	Date Considered	7/76/04	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number /² Applicant is to place a check mark here if English language Translation is attached.